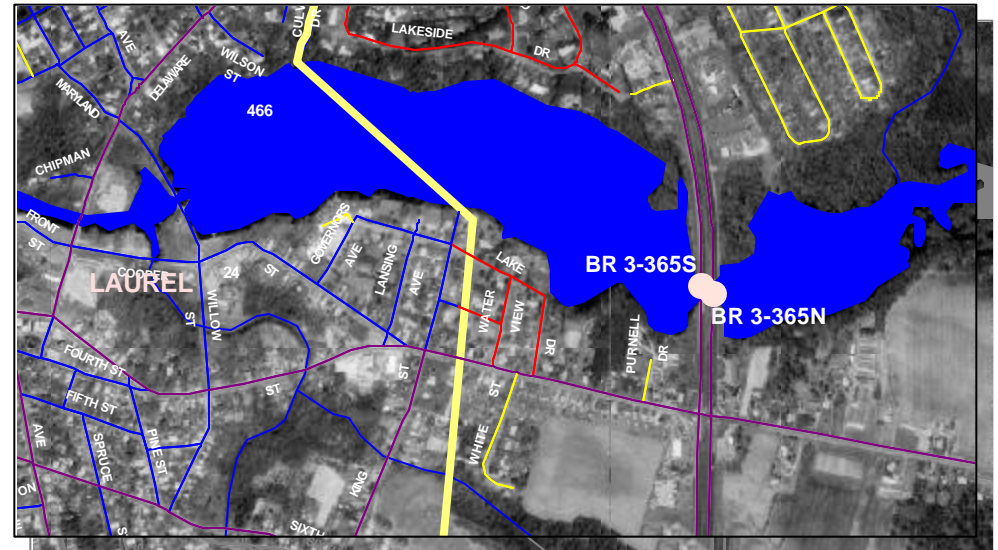


***BR 3-365N AND BR 3-365S ON NORTH AND SOUTH US 13 OVER RECORDS POND, EAST OF LAUREL***

**PROJECT SCOPE/DESCRIPTION:** This project will rehabilitate existing structures including pile jackets, concrete deck overlay, joint replacement, and upgrade existing bridge rail and guardrail. One lane of traffic on each bridge will be maintained during reconstruction.

**PROJECT JUSTIFICATION:** These bridges are functionally obsolete and rank 76<sup>th</sup> and 142<sup>nd</sup>, respectively, out of 1,399 on the department's bridge deficiency list (via the bridge management program).

<b>County:</b>	Sussex
<b>Municipality:</b>	
<b>Funding Program:</b>	Road System – Bridges
<b>Functional Category:</b>	Preservation
<b>Representative District:</b>	40
<b>Senatorial District:</b>	21



***BR 3-365N AND BR 3-365S ON NORTH AND SOUTH US 13 OVER RECORDS POND, EAST OF LAUREL (CONTINUED)***

***Bridge 3-365S***



**BR 3-365N AND BR 3-365S ON NORTH AND SOUTH US 13 OVER RECORDS POND, EAST OF LAUREL (CONTINUED)****PROJECT FUNDING INFORMATION**

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 12/31/03	Expended as of 12/31/03	Committed Unexpended as of 12/31/03	Authorization Available
BR 3-365N and BR 3-365S on North and South US 13 over Records Pond, East of Laurel		\$ 1,274.0						
Prior Years	State			\$ 387.6	\$ 211.6	\$ 140.6	\$ 70.9	\$ 176.0
	Federal			\$ 886.4	\$ 846.3	\$ 562.6	\$ 283.7	\$ 40.1
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2004	State		\$ 1,274.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 176.0
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 40.1
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2005 Request	State			\$ 0.0				\$ 176.0
	Federal			\$ 0.0				\$ 40.1
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 0.0				\$ 176.0
	Federal			\$ 0.0				\$ 40.1
	Other			\$ 0.0				\$ 0.0
FY 2007 Projected	State			\$ 0.0				\$ 176.0
	Federal			\$ 0.0				\$ 40.1
	Other			\$ 0.0				\$ 0.0
FY 2008-2010 Projected	State			\$ 0.0				\$ 176.0
	Federal			\$ 0.0				\$ 40.1
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 387.6	\$ 211.6			\$ 176.0
	Federal			\$ 886.4	\$ 846.3			\$ 40.1
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 1,274.0	\$ 1,274.0	\$ 1,274.0	\$ 1,057.9	\$ 703.2	\$ 354.7	\$ 216.1

**BR 3-365N AND BR 3-365S ON NORTH AND SOUTH US 13 OVER RECORDS POND, EAST OF LAUREL (CONTINUED)****PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008 -2010
21-076-03	<b>BR 3-365N and BR 3-365S on North and South US 13 over Records Pond, East of Laurel</b>	PE	100% ST	\$ 166.0	\$ 166.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
		C	80% FHWA	1,108.0	1,108.0	0.0	0.0	0.0	0.0	0.0
	Total All Funds			\$ 1,274.0	\$ 1,274.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0

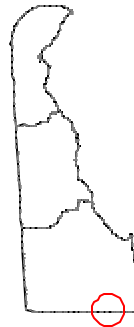


***BR 3-376 ON S376 OVER SANDY BRANCH***

**PROJECT SCOPE/DESCRIPTION:** The proposed work for Bridge 3376 consists of placing a concrete floor and a new liner in the existing elliptical corrugated metal pipe. Other work shall include placing riprap for scour protection and resurfacing the approach roadway as needed. At least one lane of traffic will be maintained at all times during construction

**PROJECT JUSTIFICATION:** The existing structure is an elliptical corrugated metal pipe in poor condition due to severe corrosion and complete loss of section along the bottom and at the waterline in several locations. There is also evidence of sag throughout the structure. The bridge is currently ranked 48<sup>th</sup> out of 1,399 on the department's bridge deficiency list (via the bridge management system).

<b>County:</b>	Sussex
<b>Municipality:</b>	
<b>Funding Program:</b>	Road System – Bridges
<b>Functional Category:</b>	Preservation
<b>Representative District:</b>	38
<b>Senatorial District:</b>	20



***BR 3-376 ON S376 OVER SANDY BRANCH (CONTINUED)***

***Bridge 3-376 on S376 Over Sandy Branch***



***Inside Bridge 3-376***



**BR 3-376 ON S376 OVER SANDY BRANCH (CONTINUED)****PROJECT FUNDING INFORMATION**

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 12/31/03	Expended as of 12/31/03	Committed Unexpended as of 12/31/03	Authorization Available
BR 3-376 on S376 over Sandy Branch		\$ 676.1						
Prior Years	State			\$ 20.5	\$ 20.5	\$ 0.0	\$ 20.5	\$ 0.0
	Federal			\$ 82.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 82.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2004	State		\$ 676.1	\$ 249.6	\$ 249.6	\$ 94.2	\$ 155.4	\$ 0.0
	Federal			\$ 324.0	\$ 406.0	\$ 92.0	\$ 314.0	\$ 0.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2005 Request	State			\$ 0.0				\$ 0.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 0.0				\$ 0.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2007 Projected	State			\$ 0.0				\$ 0.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2008-2010 Projected	State			\$ 0.0				\$ 0.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 270.1	\$ 270.1			\$ 0.0
	Federal			\$ 406.0	\$ 406.0			\$ 0.0
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 676.1	\$ 676.1	\$ 676.1	\$ 676.1	\$ 186.2	\$ 489.9	\$ 0.0

**BR 3-376 ON S376 OVER SANDY BRANCH (CONTINUED)****PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008 -2010
20-073-02	<b>BR 3-376 on S376 over Sandy Branch</b>	PE	80% FHWA	\$ 102.5	\$ 102.5	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
24-073-04		RW	100% ST	168.6	0.0	168.6	0.0	0.0	0.0	0.0
		C	80% FHWA	405.0	0.0	405.0	0.0	0.0	0.0	0.0
	Total All Funds			\$ 676.1	\$ 102.5	\$ 573.6	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0

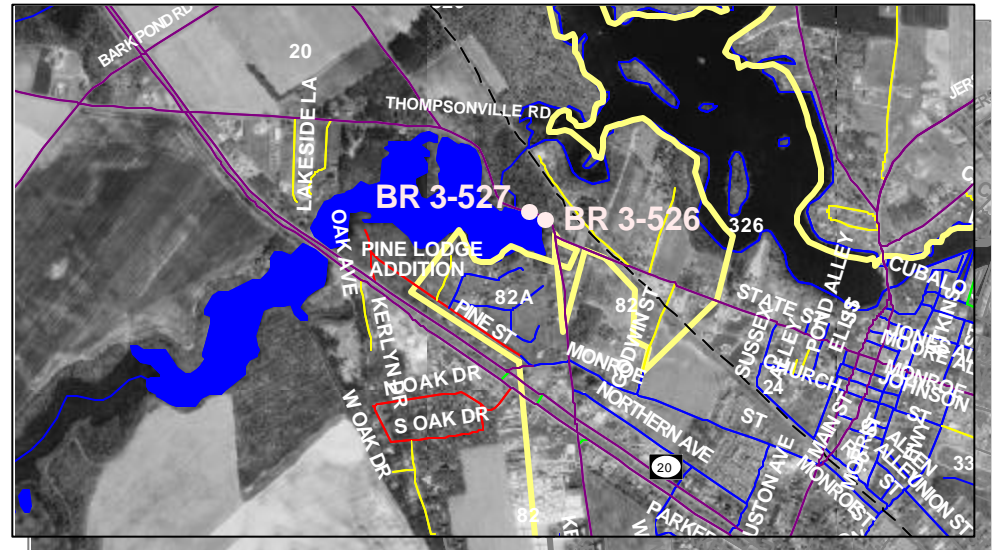


***BR 3-526 AND BR 3-527 ON US113 OVER BETTS POND, MILLSBORO***

**PROJECT SCOPE/DESCRIPTION:** This project consists of replacing Bridge 3-527 with concrete frame structure and sheet pile spillway; replacing Bridge 3-526 with concrete box; placing timber guardrail at bridge approaches; and stabilizing slopes. Construction has been coordinated with pavement reconstruction on US113.

**PROJECT JUSTIFICATION:** These bridges have low structural capacity and narrow width. Both bridges are structurally deficient and rank 59<sup>th</sup> and 8<sup>th</sup>, respectively, out of 1,399 on the department's bridge deficiency list (via the bridge management program).

<b>County:</b>	Sussex
<b>Municipality:</b>	
<b>Funding Program:</b>	Road System – Bridges
<b>Functional Category:</b>	Preservation
<b>Representative District:</b>	41
<b>Senatorial District:</b>	20



**BR 3-526 AND BR 3-527 ON US113 OVER BETTS POND, MILLSBORO (CONTINUED)****PROJECT FUNDING INFORMATION**

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 12/31/03	Expended as of 12/31/03	Committed Unexpended as of 12/31/03	Authorization Available
BR 3-526 and BR 3-527 on US113 over Betts Pond, Millsboro		\$ 1,200.7						
Prior Years	State			\$ 392.5	\$ 392.5	\$ 352.4	\$ 40.1	\$ 0.0
	Federal			\$ 808.2	\$ 808.2	\$ 759.1	\$ 49.0	\$ 0.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2004	State		\$ 1,200.7	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2005 Request	State			\$ 0.0				\$ 0.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 0.0				\$ 0.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2007 Projected	State			\$ 0.0				\$ 0.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2008-2010 Projected	State			\$ 0.0				\$ 0.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 392.5	\$ 392.5			\$ 0.0
	Federal			\$ 808.2	\$ 808.2			\$ 0.0
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 1,200.7	\$ 1,200.7	\$ 1,200.7	\$ 1,200.7	\$ 1,111.6	\$ 89.1	\$ 0.0

**BR 3-526 AND BR 3-527 ON US113 OVER BETTS POND, MILLSBORO (CONTINUED)****PROJECT TIMELINE INFORMATION**

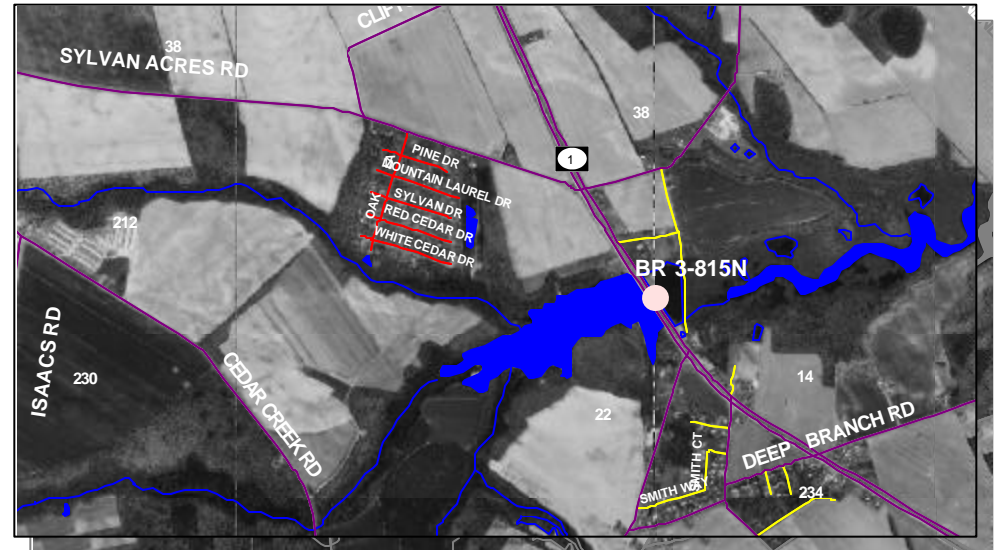
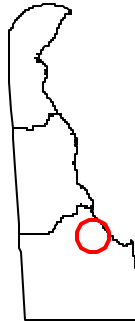
Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008 -2010
99-073-01	<b>BR 3-526 and BR 3-527 on US113 over Betts Pond, Millsboro</b>	C	67% FHWA	\$ 1,200.7	\$ 1,200.7	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Total All Funds			\$ 1,200.7	\$ 1,200.7	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0

**BR 3-815N ON SR 1 NORTHBOUND OVER WAPLES POND**

**PROJECT SCOPE/DESCRIPTION:** This project consists of replacing the concrete slab bridge with a prestressed concrete adjacent box beam bridge; making safety improvements at approaches; and placing riprap to prevent scour at the foundation.

**PROJECT JUSTIFICATION:** This bridge is low capacity and ranks 68<sup>th</sup> out of 1,399 on the department's bridge deficiency list (via the bridge management program).

<b>County:</b>	Sussex
<b>Municipality:</b>	
<b>Funding Program:</b>	Road System – Bridges
<b>Functional Category:</b>	Preservation
<b>Representative District:</b>	36
<b>Senatorial District:</b>	18





***BR 3-815N ON SR 1 NORTHBOUND OVER WAPLES POND (CONTINUED)***

***Bridge 3-815N***



**BR 3-815N ON SR 1 NORTHBOUND OVER WAPLES POND (CONTINUED)****PROJECT FUNDING INFORMATION**

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 12/31/03	Expended as of 12/31/03	Committed Unexpended as of 12/31/03	Authorization Available
BR 3-815N on SR 1 Northbound over Waples Pond		\$ 1,057.2						
Prior Years	State			\$ 236.4	\$ 203.5	\$ 178.2	\$ 25.3	\$ 32.9
	Federal			\$ 820.8	\$ 811.8	\$ 712.9	\$ 98.9	\$ 9.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2004	State		\$ 1,057.2	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 32.9
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 9.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2005 Request	State			\$ 0.0				\$ 32.9
	Federal			\$ 0.0				\$ 9.0
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 0.0				\$ 32.9
	Federal			\$ 0.0				\$ 9.0
	Other			\$ 0.0				\$ 0.0
FY 2007 Projected	State			\$ 0.0				\$ 32.9
	Federal			\$ 0.0				\$ 9.0
	Other			\$ 0.0				\$ 0.0
FY 2008-2010 Projected	State			\$ 0.0				\$ 32.9
	Federal			\$ 0.0				\$ 9.0
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 236.4	\$ 203.5			\$ 32.9
	Federal			\$ 820.8	\$ 811.8			\$ 9.0
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 1,057.2	\$ 1,057.2	\$ 1,057.2	\$ 1,015.3	\$ 891.1	\$ 124.2	\$ 41.9

**BR 3-815N ON SR 1 NORTHBOUND OVER WAPLES POND (CONTINUED)****PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008 -2010
21-073-03	<b>BR 3-815N on SR 1 Northbound over Waples Pond</b>	PE	100% ST	\$ 21.2	\$ 21.2	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
		RW	100% ST	10.0	10.0	0.0	0.0	0.0	0.0	0.0
		C	80% FHWA	1,026.0	1,026.0	0.0	0.0	0.0	0.0	0.0
	Total All Funds			\$ 1,057.2	\$ 1,057.2	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0

**INDIAN RIVER INLET BRIDGE AND AREA IMPROVEMENTS**

**PROJECT SCOPE/DESCRIPTION:** The current bridge will be replaced to alleviate the safety risk cause by the present scour condition at the foundations. To do this, the new structure will completely span the inlet with all foundations members constructed on “dry land.”

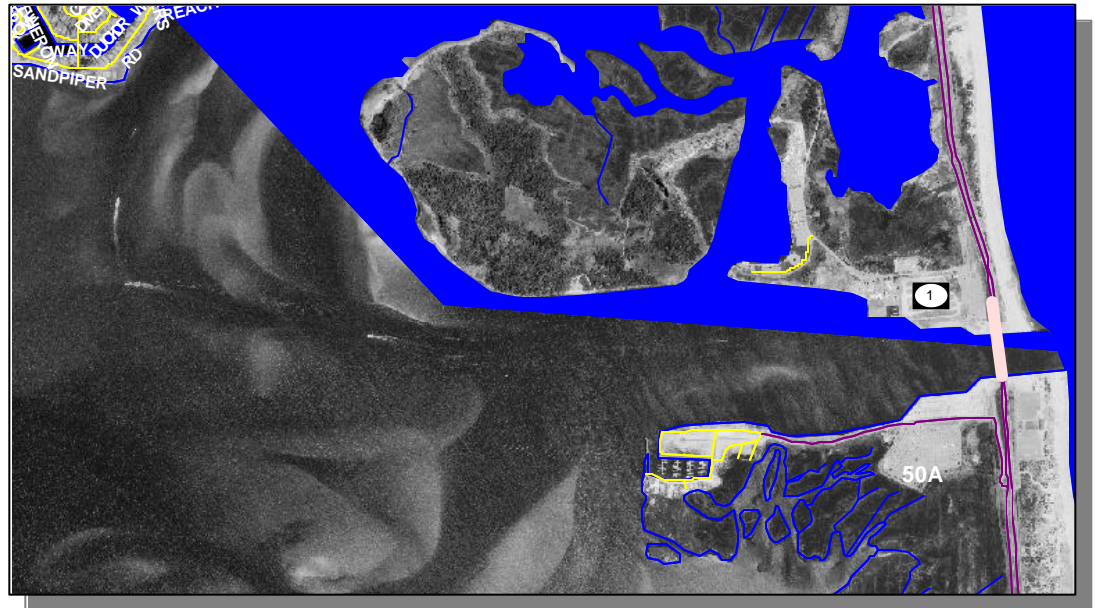
The proposed alignment will be west of the existing bridge. This will locate the new replacement bridge at the approximate location of the bridge, which preceded the existing bridge. The replacement bridge and its approaches will be designed to be constructed without disrupting traffic on the existing roadway except at the time of the construction tie-ins.

The support piers for the replacement bridge will be placed outside the inlet on land. The current inlet width at the existing bridge is approximately 500 feet. Pier placement will allow for future expansion of the inlet. Using these parameters, an approximate maximum span length will be 1,000 feet, assuming an inlet expansion to 800 feet. The inlet currently expands to 800 feet west of the bridge. At a minimum, all existing navigational and roadway clearance will be met. The current navigational vertical clearance is 35 feet. A minimum roadway vertical under-clearance of 19 feet 6 inches, located adjacent to the existing south abutment, will also be maintained.

The existing roadway cross-section will be retained. This cross-section will include two twelve-foot wide lanes in each direction separated by a median with five-foot interior shoulders and ten-foot exterior shoulders. Five-foot sidewalks protected by a barrier from the adjacent traffic will also be provided. The approaches will be construed on an embankment, similar to the existing bridge. The existing maximum grade of three percent will not be exceeded.

The proposed structure is a 1,000-foot span concrete arch with cable supported roadway and two 150-foot approach spans. The proposed alternative was chosen from a selection of eight alternatives during the public involvement process.

The construction will also include the demolition and removal of the “old” bridge, new access roads to the state park areas, state park improvements due to the direct impact of the bridge, utility relocations, environmental mitigation, and other park area improvements.





**INDIAN RIVER INLET BRIDGE AND AREA IMPROVEMENTS (CONTINUED)**

**PROJECT JUSTIFICATION:** The swift current of the Indian River inlet has caused excessive erosion or scour of the channel bottom. This condition has led to the exposure of the existing bridge foundation and support piles to a level, which necessitates the replacement of the bridge. The new bridge will be constructed eliminating supports in the inlet channel.

<b>County:</b>	Sussex
<b>Municipality:</b>	
<b>Funding Program:</b>	Road System - Bridges
<b>Functional Category:</b>	Preservation
<b>Representative District:</b>	38
<b>Senatorial District:</b>	20



*1940 Bridge Over Indian River Inlet*



*Current Bridge*

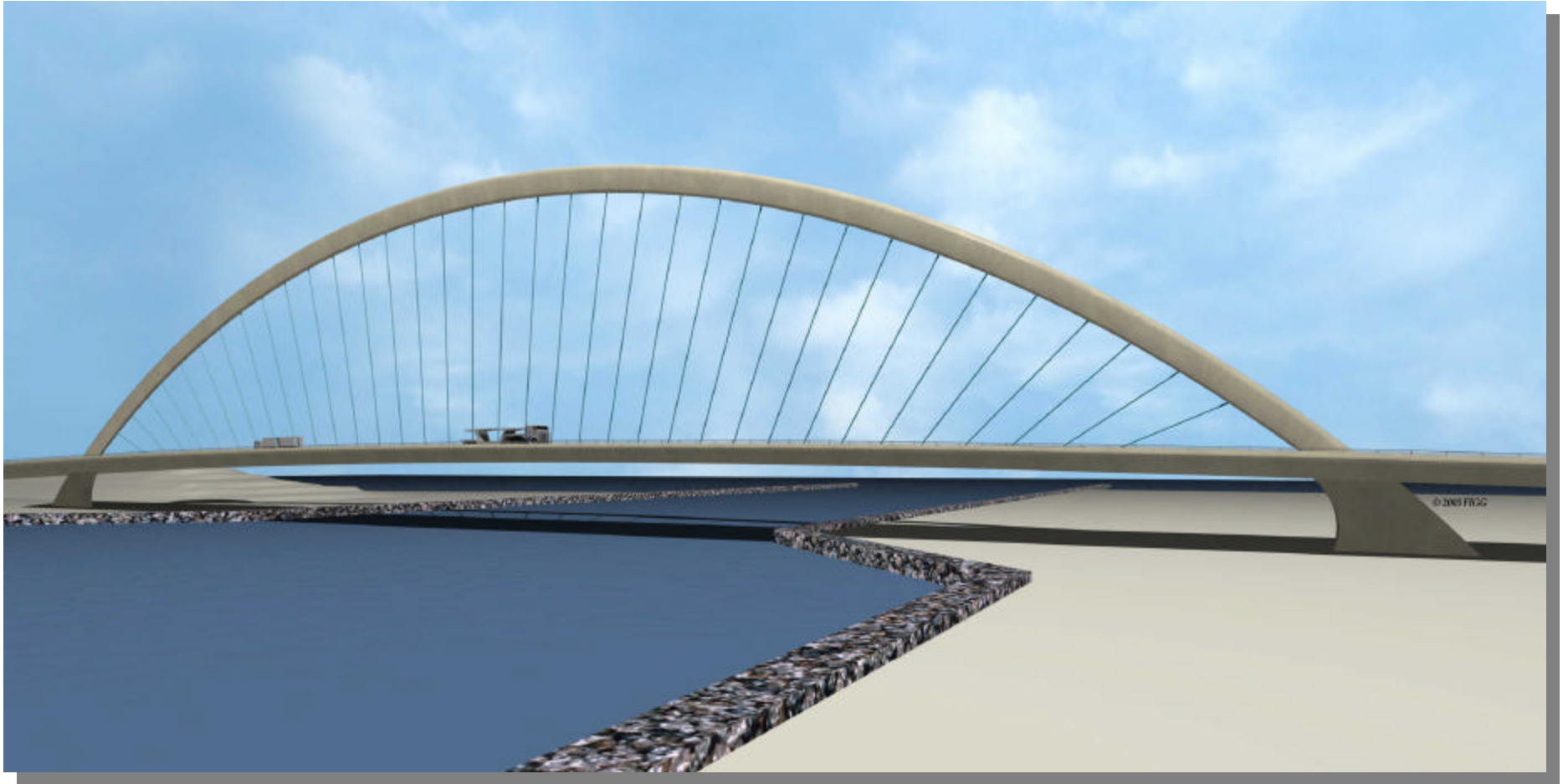


**INDIAN RIVER INLET BRIDGE AND AREA IMPROVEMENTS (CONTINUED)**



***INDIAN RIVER INLET BRIDGE AND AREA IMPROVEMENTS (CONTINUED)***

***Proposed New Indian River Inlet Bridge***



**INDIAN RIVER INLET BRIDGE AND AREA IMPROVEMENTS (CONTINUED)****PROJECT FUNDING INFORMATION**

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 12/31/03	Expended as of 12/31/03	Committed Unexpended as of 12/31/03	Authorization Available
Indian River Inlet Bridge and Area Improvements		\$ 106,600.0						
Prior Years	State			\$ 2,000.0	\$ 2,000.0	\$ 1,874.5	\$ 125.5	\$ 0.0
	Federal			\$ 3,500.0	\$ 1,624.9	\$ 1,019.9	\$ 605.1	\$ 1,875.1
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2004	State		\$ 106,600.0	\$ 64,500.0	\$ 64,500.0	\$ 853.7	\$ 63,646.3	\$ 0.0
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 1,875.1
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2005 Request	State			\$ 31,200.0				\$ 31,200.0
	Federal			\$ 0.0				\$ 1,875.1
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 5,400.0				\$ 36,600.0
	Federal			\$ 0.0				\$ 1,875.1
	Other			\$ 0.0				\$ 0.0
FY 2007 Projected	State			\$ 0.0				\$ 36,600.0
	Federal			\$ 0.0				\$ 1,875.1
	Other			\$ 0.0				\$ 0.0
FY 2008-2010 Projected	State			\$ 0.0				\$ 36,600.0
	Federal			\$ 0.0				\$ 1,875.1
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 103,100.0	\$ 66,500.0			\$ 36,600.0
	Federal			\$ 3,500.0	\$ 1,624.9			\$ 1,875.1
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 106,600.0	\$ 106,600.0	\$ 106,600.0	\$ 68,125.0	\$ 3,748.1	\$ 64,376.9	\$ 38,475.1



**INDIAN RIVER INLET BRIDGE AND AREA IMPROVEMENTS (CONTINUED)****PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008 -2010
21-076-05	<b>Indian River Inlet Bridge and Area Improvements</b>	PE	100% ST	\$ 5,700.0	\$ 2,000.0	\$ 3,700.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
22-500-48		PE, C	100% DISC FHWA	3,500.0	3,500.0	0.0	0.0	0.0	0.0	0.0
23-073-03	<b>Construction Breakdown as follows:</b>									
	Bridge Construction and Approaches	C	100% ST	71,000.0	0.0	60,800.0	10,200.0	0.0	0.0	0.0
	Demolition of Existing Bridge and Removal of Approach Fill	C	100% ST	2,000.0	0.0	0.0	2,000.0	0.0	0.0	0.0
	New Park Access Roads due to New Alignment	C	100% ST	3,000.0	0.0	0.0	3,000.0	0.0	0.0	0.0
	Park Site Improvements due to Direct Impact of Bridge	C	100% ST	5,600.0	0.0	0.0	5,600.0	0.0	0.0	0.0
	Utility Relocations	C	100% ST	4,600.0	0.0	0.0	4,600.0	0.0	0.0	0.0
	Environmental Mitigation	C	100% ST	800.0	0.0	0.0	800.0	0.0	0.0	0.0
	Construction Engineering	C	100% ST	5,000.0	0.0	0.0	5,000.0	0.0	0.0	0.0
	Park Area Improvements	C	100% ST	5,400.0	0.0	0.0	0.0	5,400.0	0.0	0.0
	Total All Funds			\$ 106,600.0	\$ 5,500.0	\$ 64,500.0	\$ 31,200.0	\$ 5,400.0	\$ 0.0	\$ 0.0